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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Henry A. Hill
Serial No. : 10/009,012
Filed : November 5, 2001
Title : INTERFEROMETRY SYSTEM HAVING A DYNAMIC BEAM STEERING
ASSEMBLY FOR MEASURING ANGLE AND DISTANCE

Art Unit : Unknown
Examiner : Unknown

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the claims

Cancel claims 1-57 without prejudice.

Please add new claims 58-107 as follows:

58. An angle-measuring interferometry system comprising:

an interferometer which during operation directs a measurement beam to contact a measurement object, the interferometer comprising a beam steering assembly having a beam steering element positioned to contact and direct the measurement beam and an electronic positioning system to selectively orient the beam steering element within the interferometer; and
an angle measurement system which during operation calculates a change in angular orientation of the measurement object based on a measurement signal derived from the measurement beam.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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February 25, 2002

Laura Murphy
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